

Converting Colors

$Yxy(38.1694, 0.2257, 0.2319)$

Have a look what the booklet for
Yxy(38.1694, 0.2257, 0.2319)
contains.

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Color

Yxy(38.0609, 0.2255, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	73A8F2
RGB	115, 168, 242
RGB Percent	45%, 66%, 95%
CMY	0.5487, 0.3412, 0.0510
CMYK	0.52, 0.31, 0.00, 0.05
HSL	215°, 83%, 70%
HSV	215°, 52%, 95%
XYZ	37.1065, 38.0609, 89.3847
YIQ	160.5890, -55.3420, 11.7780

Conversions

Conversions Part 2

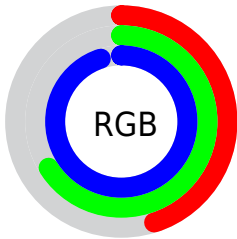
Format	Color
RYB	115, 152, 242
Decimal	7579890
CIELab	68.07, 3.08, -42.33
CIELCh	68, 42.440, 274.164
Yxy	38.0609, 0.2255, 0.2313
Android (android.graphics.Color)	4285769970 (0xFF73A8F2)
YUV	160.5890, 40.1356, -39.9816
Hunter-Lab	61.6935, -0.6021, -42.7169

Details

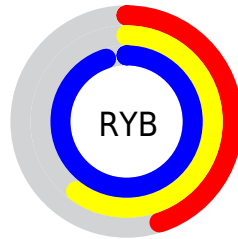
The Yxy color **38.0609, 0.2255, 0.2313** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.5483, 0.4180, 0.4080**, and the grayscale version is **35.2791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8796, 0.2622, 0.2929**, and **16.7504, 0.2021, 0.2056** is the 20% darker color. If you saturate the color by 10%, you get **31.6996, 0.2096, 0.2086**, and if you desaturate by 10%, it is **45.4209, 0.2424, 0.2532**.

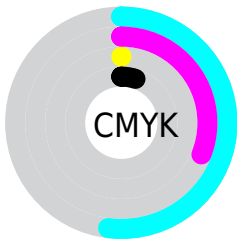
Distribution



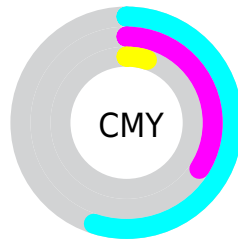
- Red (45%)
- Green (66%)
- Blue (95%)



- Red (45%)
- Yellow (60%)
- Blue (95%)



- Cyan (52%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)



- Cyan (55%)
- Magenta (34%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0609, 0.2255, 0.2313 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.0609, 0.2255, 0.2313 by changing the saturation by 10% instead.

■ 38.0609, 0.2255,
0.2313

■ 38.0609, 0.2255,
0.2313

337.8811, 0.2688,
0.2793

■ 26.0300, 0.2151,
0.2199

■ 72.2015, 0.2410,
0.2484

■ 16.8461, 0.2020,
0.2056

■ 95.0799, 0.2469,
0.2549

■ 10.1248, 0.1853,
0.1874

■ 122.3429, 0.2519,
0.2605

■ 5.4818, 0.1633,
0.1637

154.3750, 0.2562,
0.2653

■ 2.5326, 0.1338,
0.1323

191.5604, 0.2600,
0.2695

■ 0.8929, 0.0942,
0.0908

234.2837, 0.2633,

■ 0.0000, 0.0000,

0.2732

0.0000

282.9291, 0.2662,
0.2764

■ 38.0609, 0.2255,
0.2313

■ 38.0609, 0.2255,
0.2313

■ 31.6996, 0.2096,
0.2086

■ 45.4209, 0.2424,
0.2532

■ 26.2806, 0.1954,
0.1857

■ 53.8235, 0.2596,
0.2739

■ 21.7465, 0.1835,
0.1634

■ 63.3143, 0.2767,
0.2929

■ 18.0296, 0.1743,
0.1427

■ 73.9349, 0.2932,
0.3101

■ 15.6933, 0.1690,
0.1283

■ 85.7243, 0.3090,
0.3255

97.7038, 0.3205,
0.3393

99.1901, 0.3203,
0.3415

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0609, 0.2026, 0.2495



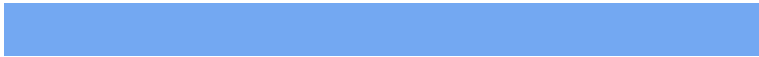
38.0609, 0.2255, 0.2313



38.0609, 0.2715, 0.2360

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.0609, 0.2255, 0.2313



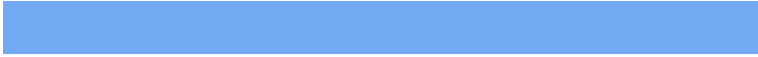
38.0609, 0.4341, 0.3461



38.0609, 0.2831, 0.4161

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.0609, 0.2255, 0.2313



56.5483, 0.4180, 0.4080

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.0609, 0.3446, 0.4447



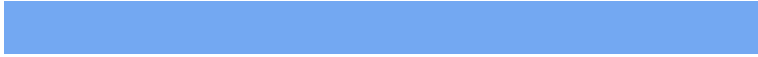
38.0609, 0.2255, 0.2313



38.0609, 0.4347, 0.3939

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.0609, 0.2255, 0.2313



38.0609, 0.3958, 0.2990



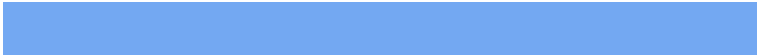
38.0609, 0.4006, 0.4324



38.0609, 0.2326, 0.3553

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.0609, 0.2255, 0.2313



38.0609, 0.3121, 0.2501



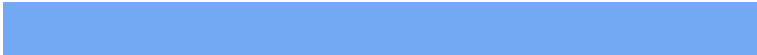
38.0609, 0.4006, 0.4324



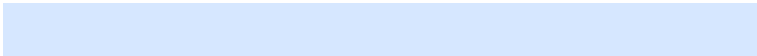
38.0609, 0.3032, 0.4303

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.0623, 0.2255, 0.2313



78.8146, 0.2873, 0.3041



70.7357, 0.2705, 0.4004



16.3390, 0.2839, 0.3005



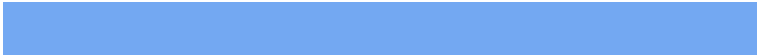
0.0000, 0.0000, 0.0000



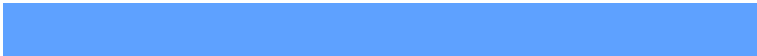
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0623, 0.2255, 0.2313



35.2196, 0.2085, 0.2069



22.9437, 0.2170, 0.1637



16.3114, 0.2980, 0.3149



8.6870, 0.1698, 0.1314



0.9147, 0.1770, 0.1571

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.9839, 0.3993, 0.2724



31.9123, 0.4278, 0.2639



82.1494, 0.3828, 0.4583



15.8681, 0.3228, 0.3192



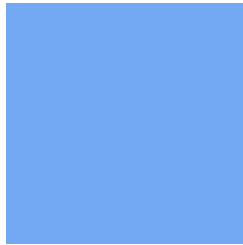
10.6703, 0.5308, 0.2698



0.9071, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 38.0609, 0.2255, 0.2313 looks on a white background.

Color Contrast Check

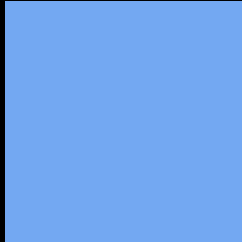
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.0609, 0.2255, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

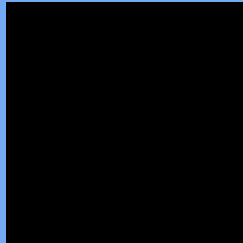
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

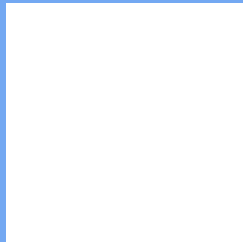
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0609, 0.2255, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 38.0609, 0.2255, 0.2313.



This preview shows how white text looks on a background with the Yxy color 38.0609, 0.2255, 0.2313.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.0609, 0.2255, 0.2313

Protanopia

38.0302, 0.2414, 0.2323

Deuteranopia

37.9275, 0.2334, 0.2272



Tritanopia

38.2432, 0.2450, 0.3075

Trichromacy



Original Color

38.0609, 0.2255, 0.2313

Protanomaly

38.0478, 0.2357, 0.2326

Deuteranomaly

37.8170, 0.2302, 0.2276

Tritanomaly

37.8683, 0.2372, 0.2766

Monochromacy



Original Color

38.0609, 0.2255, 0.2313

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.1979, 0.2744, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0609, 0.2255, 0.2313 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(115, 168, 242)` looks like.

```
.text, #text, p{  
    color:rgb(115, 168, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(115, 168, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 168, 242) }
```

Border

The CSS property to change the border of an element to Yxy 38.0609, 0.2255, 0.2313 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 168, 242) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(115, 168, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(115, 168, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 168, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 168, 242);  
box-shadow:4px 4px 4px 4px rgb(115, 168,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0609, 0.2255, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 168, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(115,  
168, 242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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